

## Safety Data Sheet according to WHS Regulations

Printing date: 17.11.2022

Version number 2.1

Revision: 17.11.2022

### 1 Identification

**Product identifier****Trade name: JURA Descaling tablets (2-phase)****Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Tablets for descaling fully automatic coffee machines**Details of the supplier of the safety data sheet****Manufacturer/Supplier: -****Supplier:**

JURA Australia Espresso Pty Ltd  
7-9 Hall Street, Hawthorn East VIC 3123  
Australia  
Tel: +61 1300 285 872  
JURA Elektroapparate AG  
CH-4626 Niederbuchsiten  
Tel.: +41 (0)62 389 82 33

JURA Elektogeräte Vertriebs-GmbH  
D-90268 Nürnberg  
Tel.: +49 (0)911 25 25 0

**Manufacturer:**

Oxytabs GmbH  
- Member of the Medea Group -  
Pellwormer Straße 1  
D-24768 Rendsburg  
Germany

**Further information obtainable from:**

Tel.: +49 4331 69620 0  
Fax: +49 4331 69620 22  
E-Mail: info@oxytabs.de

**Emergency telephone number:**

Poisons Information Centre Australia: 13 11 26  
+61 (0)3 92 39 1000 (Weekdays 8.00am to 5.00pm)

### 2 Hazard(s) Identification

**Classification of the substance or mixture**

Acute Tox. 4	H302 Harmful if swallowed.
Skin Irrit. 2	H315 Causes skin irritation.
Serious eye damage/irritation – Category 2A	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.

**Label elements****GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).**Hazard pictograms**

GHS07

**Signal word** Warning

(Contd. on page 2)

## Safety Data Sheet according to WHS Regulations

Printing date: 17.11.2022

Version number 2.1

Revision: 17.11.2022

**Trade name: JURA Descaling tablets (2-phase)**

(Contd. of page 1)

**Hazard-determining components of labelling:**

maleic acid

**Hazard statements**

Harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

**Precautionary statements**

Keep out of reach of children.

Wash hands thoroughly after handling.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Dispose of contents/container in accordance with local regulations.

**Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

**Chemical characterisation: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 110-16-7 EINECS: 203-742-5	maleic acid Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	25-<50%
CAS: 5329-14-6 EINECS: 226-218-8	sulphamidic acid Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319	25-<50%
CAS: 95-14-7 EINECS: 202-394-1	benzotriazole Acute Tox. 4, H302; Serious eye damage/irritation – Category 2A, H319	≥0.25-<2.5%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

**Description of first aid measures****After inhalation:** Supply fresh air.**After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

If symptoms persist consult doctor.

**Information for doctor:****Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

## Safety Data Sheet according to WHS Regulations

Printing date: 17.11.2022

Version number 2.1

Revision: 17.11.2022

**Trade name: JURA Descaling tablets (2-phase)****Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

(Contd. of page 2)

### 5 Fire Fighting Measures

**Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

Use fire extinguishing methods suitable to surrounding conditions.

**Special hazards arising from the substance or mixture** No further relevant information available.**Advice for firefighters****Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation.**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose of the material collected according to regulations.

Wash residues with water.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and Storage

**Handling:****Precautions for safe handling** Prevent formation of dust.**Information about fire and explosion protection:** No special measures required.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** Keep container tightly sealed.**Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

**Additional information about design of technical facilities:** No further data; see item 7.**Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

(Contd. on page 4)

## Safety Data Sheet according to WHS Regulations

Printing date: 17.11.2022

Version number 2.1

Revision: 17.11.2022

**Trade name: JURA Descaling tablets (2-phase)**

(Contd. of page 3)

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:** Protective gloves.

**Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.2$  mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact gloves made of the following materials are suitable:** Nitrile rubber, NBR

**Eye protection:** Safety glasses.

**Body protection:** Protective work clothing.

### 9 Physical and Chemical Properties

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Tablets
<b>Colour:</b>	white, blue
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

<b>pH-value at 20 °C:</b>	2.15 (0.1%)
---------------------------	-------------

**Change in condition**

<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	Not applicable.

<b>Flash point:</b>	Not applicable.
---------------------	-----------------

<b>Flammability (solid, gas):</b>	Not determined.
-----------------------------------	-----------------

<b>Ignition temperature:</b>	Not determined.
------------------------------	-----------------

<b>Decomposition temperature:</b>	Not determined.
-----------------------------------	-----------------

<b>Auto-ignition temperature:</b>	Product is not selfigniting.
-----------------------------------	------------------------------

<b>Explosive properties:</b>	Product does not present an explosion hazard.
------------------------------	---

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

<b>Vapour pressure:</b>	Not applicable.
-------------------------	-----------------

<b>Density:</b>	Not determined.
<b>Relative density</b>	Not determined.

(Contd. on page 5)

## Safety Data Sheet according to WHS Regulations

Printing date: 17.11.2022

Version number 2.1

Revision: 17.11.2022

**Trade name: JURA Descaling tablets (2-phase)**

(Contd. of page 4)

<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with water:</b>	Easily soluble.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (EC)</b>	0.00 %
<b>Solids content:</b>	100.0 %
<b>Other information</b>	No further relevant information available.

### 10 Stability and Reactivity

**Reactivity** No further relevant information available.

**Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** Alkali (lye)

**Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

**LD/LC50 values relevant for classification:**

**110-16-7 maleic acid**

Oral	LD50	708 mg/kg (rat)
------	------	-----------------

Dermal	LD50	1,560 mg/kg (rabbit)
--------	------	----------------------

**95-14-7 benzotriazole**

Oral	LD50	500 mg/kg (rat) (OECD 423)
------	------	----------------------------

Dermal	LD50	>2,000 mg/kg (rabbit)
--------	------	-----------------------

**Primary irritant effect:**

**Skin corrosion/irritation** Irritant to skin and mucous membranes.

**Serious eye damage/irritation** Irritating effect.

**Respiratory or skin sensitisation** Sensitisation possible through skin contact.

**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

## Safety Data Sheet according to WHS Regulations

Printing date: 17.11.2022

Version number 2.1

Revision: 17.11.2022

**Trade name: JURA Descaling tablets (2-phase)**

(Contd. of page 5)

### 12 Ecological Information

#### Toxicity

##### Aquatic toxicity:

##### 110-16-7 maleic acid

LC50/96h	75 mg/l (fish) (EPA 660/3-75-009)
EC50/48h	42.81 mg/l (Daphnia magna) (OECD 202)
EC50/72h	74.35 mg/l (algae) (OECD 201)

##### 5329-14-6 sulphamidic acid

LC50/96h	70.3 mg/l (Pimephales promelas)
EC50/48h	71.6 mg/l (Daphnia magna)
EC50/72h	48 mg/l (Desmodesmus subspicatus) (OECD 201)

##### 95-14-7 benzotriazole

LC50/96h	180 mg/l (Danio rerio) (OECD 203)
EC50/48h	15.8 mg/l (Daphnia galeata) (OECD 202)
EC50/72h	75 mg/l (Pseudokirchnerella subcapitata) (OECD 201)

**Persistence and degradability** No further relevant information available.

**Behaviour in environmental systems:**

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

### 13 Disposal considerations

#### Waste treatment methods

##### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packaging:

**Recommendation:** Packaging may be reused or recycled after cleaning.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

#### UN-Number

ADG, IMDG, IATA

Not regulated.

#### UN proper shipping name

ADG, IMDG, IATA

Not regulated.

(Contd. on page 7)

## Safety Data Sheet according to WHS Regulations

Printing date: 17.11.2022

Version number 2.1

Revision: 17.11.2022

**Trade name: JURA Descaling tablets (2-phase)**

(Contd. of page 6)

**Transport hazard class(es)**

**ADG, ADN, IMDG, IATA  
Class**

Not regulated.

**Packing group**

**ADG, IMDG, IATA**

Not regulated.

**Environmental hazards:**

**Marine pollutant:**

No

**Special precautions for user**

Not applicable.

**Transport in bulk according to Annex II of  
Marpol and the IBC Code**

Not applicable.

**UN "Model Regulation":**

Not regulated.

### 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Australian Inventory of Industrial Chemicals**

110-16-7	maleic acid
5329-14-6	sulphamidic acid
144-55-8	sodium hydrogencarbonate
95-14-7	benzotriazole

**Standard for the Uniform Scheduling of Medicines and Poisons**

5329-14-6	sulphamidic acid	S5, S6
-----------	------------------	--------

**Australia: Priority Existing Chemicals**

None of the ingredients is listed.

**GHS label elements** GHS label elements

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**National regulations:**

The product is subject to be labeled according to the prevailing version of the regulations on hazardous substances.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

**Relevant phrases**

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

**Department issuing SDS:** Department R&D

**Contact:** Simone Kühn

(Contd. on page 8)



## Safety Data Sheet according to WHS Regulations

Printing date: 17.11.2022

Version number 2.1

Revision: 17.11.2022

**Trade name: JURA Descaling tablets (2-phase)**

(Contd. of page 7)

### Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**\* Data changed with respect to previous version.**